

Using Internet Protocol Security to Create Tunnels to Communicate Securely on a Network

We are implementing IPSEC in a new way. We want to be able to communicate through tunnels which are created on a common network. This will benefit many companies, corporations, and businesses because they will be able to securely communicate data from their business without anyone outside the network spying or eavesdropping on their data. By using IPSEC, the packets that are being sent across the network are encrypted. In order to create secure tunnels, you must run a program to enter any IP addresses you would like to create tunnels with. You must then use a secure proxy server to connect to the internet outside the tunnels. Using these tunnels, users will be much more comfortable with sharing their data over their network because they have the power through the tunnels instead of someone on the outside.

Key words: encryption, tunnels, IPSEC, communication, network, secure